

REVIEW OF PLANT PATHOLOGY

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The Editor gratefully acknowledges the assistance with this volume of Mrs. V.J. Dring, B.Sc. and Mrs. P.M. Reid, M.Sc., Dip.Inf.Sci.

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REVIEW OF PLANT PATHOLOGY ⁱ

READERS' GUIDE

1976

The primary object of the *Review* is to provide a monthly survey of the more important recent world literature on diseases of plants caused by fungi, bacteria, viruses, mycoplasmas and nonpathogenic factors. It aims at supplying sufficiently full abstracts to enable readers to keep themselves informed of the progress of current work and to allow them to decide whether they require to see the original document. Photocopies of most of the papers abstracted can be supplied. An application form is printed in each number of the *Review*. To satisfy copyright regulations this form should always be used when photocopies are requested.

Some 950 serial publications, including other abstracting journals, are examined regularly; they are listed in this number. Many others, together with miscellaneous publications and books, are also scanned. An effort is made to note all new data; previously published information, well known facts and popular articles may be omitted. Some background papers are noticed by very brief notices, and some of local or marginal interest by titles only. Taxonomic papers are listed in the Institute's half-yearly *Bibliography of Systematic Mycology*, which forms a useful supplement to the *Review*. New generic and specific names of fungi are compiled in the *Index of Fungi*.

Back references to the *Review* (in square brackets) are given to link related publications and also to enable further details to be traced quickly. References are also given to the Institute's *Distribution Maps of Plant Diseases* (as [CMI Map 123]) when the record is a new one for the map cited, or when more information on distribution is relevant.

When consulting an entry the reader should remember that the title is an integral part of the abstract and may include data necessary for its full comprehension.

In a typical citation the name(s) of the author(s) are followed by the title of the paper in English. If the paper is written in a language other than English, the English translation of the title is enclosed in square brackets. The title in the original language, if not English, follows, except for Arabic, Chinese, Japanese etc. Cyrillic characters are transliterated on a system based on a collation of International Standard ISO/R9 1968(E) and the draft International Standard ISO/TC46 955E Rev. Journal titles are next given in unabbreviated form. The year of issue, in round brackets, the volume number, part number in round brackets, and first and last page numbers of the article complete the basic citation.

Supplementary details given in square brackets include the language of the paper (a two-letter abbreviation with an initial capital; see p. iv) and the language of any summary or summaries in languages other than that of the paper (a similar abbreviation without an initial capital); and there may also be included the number of references, plates, figures, graphs, maps, tables. The affiliation of the first author is also usually given in abbreviated form.

Every effort is made to achieve consistency in the nomenclature of pathogens used in the *Review*. The names of fungi and bacteria are kept in line with the International Codes of Botanical and Bacteriological Nomenclature and with current taxonomic opinion. Preferred names are given, where necessary, in

square brackets in the abstract and are used in the subject index. Whenever the perfect state of a fungus is known and generally accepted the name applied to this state is used, even if the paper abstracted refers only to the imperfect state (e.g. *Drechslera oryzae* is always referred to as the perfect state, *Cochliobolus miyabeanus*). Virus names are generally those given by the author. Synonyms are listed in the Institute's publication, *Plant Virus Names (Phytopathological Paper 9, 1968 and Supplement 1, 1971)*.

The abstracts are arranged in a repeating series (indicated by page and section headings) composed of two main parts; one general, the other of diseases arranged by crops (see below). Whenever possible, papers are arranged under the host. However, a paper on, for instance, tobacco mosaic virus, not referring to a specific host, would come under 'viruses' rather than 'tobacco'. The monthly contents list follows the same pattern.

The general index is primarily a host-parasite index with the entries analysed under hosts and repeated in less detail under pathogens. Fungicides are indexed under the chemical names or, if well known, under proprietary names, and the pathogen against which they are used is indicated, together with the host. There are in addition a number of special entries such as 'Apparatus', 'Books', 'Legislation', 'Reports', 'Conferences', 'Plant Diseases', 'Techniques' etc.

ARRANGEMENT OF ABSTRACTS

GENERAL

REPORTS, Conferences, Symposia etc.

MISCELLANEOUS Subjects

BOOKS (on general subjects; others under specific headings)

BACTERIA (general aspects only; bacterial diseases under crops)

ENTOMOGENOUS Fungi

FUNGICIDES

ANTIBIOTICS

LEGISLATION

MYCORRHIZA

PHYSIOLOGY

SOILS (and Fertilizers)

SYSTEMATIC Mycology (including lists of fungi unless on one host only, then under host)

TECHNIQUES

VIRUSES & MYCOPLASMAS (general aspects and abstracts referring to more than one host; otherwise under crops)

DISEASES & DISORDERS

CROPS, GENERAL (plant disease surveys and lists and papers of a general nature)

CACAO

CEREALS

- Wheat
- Barley
- Oats
- Rye
- Maize
- Sorghum
- Pennisetum
- Millets
- Rice

CITRUS

COFFEE

COTTON

FIBRES

FLOWERS (and Ornamentals)

Arranged alphabetically

FODDERS (and Herbage Crops)

- Grasses
- Legumes

FRUIT

- Pome
- Stone
- Soft
- Tropical
- Olive

GRAPEVINE

HOPS

OFFICINAL Plants

PALMS

POTATO

RUBBER

SUGARCANE

TEA

TOBACCO

TOMATO

TREES

- Broad-leaved
- Conifers
- Timber

VEGETABLES

Main subsections

- Beet
- Brassicicas
- Cucurbits
- Legumes
- Mushrooms
- Other temperate
- Tropical

(The entries in capitals are those used for page and section headings)

ABBREVIATIONS

Australian States & Territories:

ACT, Australian Capital Territory; NSW, New South Wales; NT, Northern Territory; Qd., Queensland; S. Aust., South Australia; Tas., Tasmania; Vict., Victoria; W. Aust., Western Australia.

Canadian Provinces:

Alta., Alberta; BC, British Columbia; Man., Manitoba; NB, New Brunswick; NS, Nova Scotia; Ont., Ontario; PEI, Prince Edward Island; Que., Quebec; Sask., Saskatchewan.

USA States:

Ala., Alabama; Ariz., Arizona; Ark., Arkansas; Calif., California; Colo., Colorado; Conn., Connecticut; Del., Delaware; DC, District of Columbia; Fla., Florida; Ga., Georgia; Ill., Illinois; Ind., Indiana; Kans., Kansas; Ky., Kentucky; La., Louisiana; Md., Maryland; Mass., Massachusetts; Mich., Michigan; Minn., Minnesota; Miss., Mississippi; Mo., Missouri; Mont., Montana; Neb., Nebraska; Nev., Nevada; N. Hamp., New Hampshire; NJ, New Jersey; N. Mex., New Mexico; NY, New York; N. Carol., North Carolina; N. Dak., North Dakota; Okla., Oklahoma; Ore., Oregon; Pa., Pennsylvania; RI, Rhode Island; S. Carol., South Carolina; S. Dak., South Dakota; Tenn., Tennessee; Vt., Vermont; Va., Virginia; Wash., Washington; W. Va., West Virginia; Wis., Wisconsin; Wyo., Wyoming.

Languages:

Ar, Arabic; Bg, Bulgarian; Ch, Chinese; Cr, Croat; Cs, Czech; Da, Danish; De, German; En, English; Ee, Estonian; Es, Spanish; Fi, Finnish; Fr, French; Gr, Greek; Hu, Hungarian; It, Italian; Ja, Japanese; La, Latin; Lv, Latvian; NL, Dutch or Flemish; No, Norwegian; Pl, Polish; Pt, Portuguese; Ro, Rumanian; Ru, Russian; Sr, Serbian; Sh, Serbo-Croat; Sk, Slovak; Sv, Swedish; Tr, Turkish; Uk, Ukrainian; etc.

Months:

Jan., Feb., Mar., Apr., Aug., Sept., Oct., Nov., Dec.

Organizations:

ADAS	Agricultural Development & Advisory Service
CSIRO	Commonwealth Scientific & Industrial Research Organization
DSIR	Department of Scientific & Industrial Research
EAAFRO	East African Agriculture & Forestry Research Organization
EPPO	European & Mediterranean Plant Protection Organization
E. Malling	East Malling Research Station, nr. Maidstone, Kent
FAO	Food & Agriculture Organization of the United Nations
IARI	Indian Agricultural Research Institute, New Delhi
INRA, Versailles	Station Centrale de Pathologie Végétale et Laboratoire de Phytopharmacie, Institut National Recherches Agronomiques, Versailles, France
IPO, Wageningen	Instituut voor Plantenziektenkundig Onderzoek, Wageningen
Long Ashton	Agricultural & Horticultural Research Station, Long Ashton, Bristol
Rothamsted	Rothamsted Experimental Station, Harpenden, Herts.
USDA	United States Department of Agriculture

In addition, a number of easily understood abbreviations are used (e.g. Univ., University). Units of measurement are abbreviated basically according to the publication *Changing to the metric system* (HMSO, 1969). The international symbols for the commoner chemical elements and a number of simple chemical formulae are also used.

REVIEW OF PLANT PATHOLOGY

List of Serial Publications Regularly Seen 1976

An asterisk (*) indicates that the publication is not available at Kew.

- Abstracts of Bulgarian Scientific Literature, A.
- Abstracts of Mycology, USA.
- *Abstracts on Tropical Agriculture, Netherlands.
- Acta Agriculturae Scandinavica, Sweden.
- Acta Agrobotanica, Poland.
- *Acta Agronomica Academiae Scientiarum Hungaricae.
- Acta Agronomica, Facultad de Agronomía, Universidad Nacional de Colombia.
- Acta Biologica Iugoslavica, B.
- Acta Botanica Academiae Scientiarum Hungaricae.
- Acta Botanica Indica.
- Acta Botanica Neerlandica, Netherlands.
- Acta Botanica Sinica, China
- Acta Forestalia Fennica, Finland.
- *Acta Fytotecnica, Czechoslovakia.
- Acta Microbiologica Polonica, A & B, Poland.
- *Acta Microbiologica Sinica, China.
- Acta Mycologica, Poland.
- Acta Phytomedica, German Federal Republic.
- Acta Phytopathologica Academiae Scientiarum Hungaricae.
- Acta Phytotaxonomica et Geobotanica, Japan.
- Acta Phytotaxonomica Sinica, China.
- Acta Průhoniana, Czechoslovakia.
- Acta Societatis Botanicorum Poloniae, Poland.
- Acta Societatis pro Fauna et Flora Fennica, Finland.
- ADAS Quarterly Review, UK.
- *Advances in Applied Microbiology, USA.
- *Advances in Virus Research, USA.
- Advancing Frontiers of Plant Sciences, India.
- Advisory Leaflet, Ministry of Agriculture, Fisheries & Food, UK.
- *Agra University Journal of Research, Science, India.
- *Agricultura Técnica, Chile.
- *Agricultura Tropical, Colombia.
- Agricultural Gazette of New South Wales, Australia.
- *Agricultural Meteorology, Netherlands.
- Agricultural Record, Department of Agriculture, South Australia.
- Agricultural Research, Guyana.
- Agricultural Research Journal of Kerala, India.
- *Agricultural Research Review, United Arab Republic.
- Agriculture Handbook, US Department of Agriculture.
- Agriculture Hong Kong
- Agriculture Pakistan.
- Agro Sur, Chile.
- Agronomía, Guatemala.
- Agronomia Lusitana, Portugal.
- Agronomia Moçambicana, Mozambique.
- Agronomia Sulriograndense, Brazil.
- Agronomía Tropical, Venezuela.

Booklet, Forestry Commission, UK.
Boron in Agriculture, UK.
Botanical Bulletin of Academia Sinica. Taiwan.
Botanical Gazette, USA.
Botanical Journal of the Linnean Society. UK.
Botanical Review, USA.
Botanicheskie Materialy Gerbariya Instituta Botaniki Akademii Nauk Kazakhskoï SSR. (Notulae Systematicae ex Herbario Instituti Botanici Academiae Scientiarum Kasachstanicae).
Botanicheskii Zhurnal. SSSR.
Botanikai Közlemények. Hungary.
*Botanique. India.
Botanisk Tidsskrift. Denmark.
Botaniska Notiser. Sweden.
Bothalia. South Africa.
*Bragantia. Brazil.
Brittonia. USA.
Broteria Trimestral. Portugal.
Bulletin of the Agricultural Chemical Inspection Station. Japan.
Bulletin, Agricultural Experiment Stations, University of Florida, USA.
Bulletin of the British Mycological Society. UK.
Bulletin of the California Agricultural Experiment Station. USA.
Bulletin of the Chugoku National Agricultural Experiment Station, E. Japan.
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Bulletin, Connecticut Agricultural Experiment Station. USA.
Bulletin, Department of Agricultural Technical Services, South Africa.
Bulletin, Division of Plant Industry, Florida Department of Agriculture. USA.
*Bulletin of Experimental Biology. Japan.
Bulletin, Experiment Station of the South African Sugar Association.
Bulletin of the Faculty of Agriculture, Hirosaki University. Japan.
Bulletin of the Faculty of Agriculture, Kagoshima University. Japan.
Bulletin of the Faculty of Agriculture, Shimane University. Japan.
Bulletin of the Faculty of Agriculture, Tamagawa University. Japan.
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*Bulletin d'Information CORESTA [Centre de Coopération pour les Recherches Scientifique Relatives au Tabac]. France.
*Bulletin of the Institute for Agricultural Research, Tohoku University. Japan.
*Bulletin of the Iwate-ken Agricultural Experiment Station. Japan.
Bulletin du Jardin Botanique National de Belgique. Belgium.
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